

WA12SP
WA11SP

Washing Machine user manual

imagine the possibilities

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features

1. Water Saving course

Designed to address concerns on water consumption. Less water is used per wash, while continuing to deliver a clean and effective washing performance.

2. The Mist Shower

Effective residue removal - The mist dissolves laundry detergents more effectively to leave behind less residue.

A fine mist of water spray over the laundry reduces the amount of water necessary.

3. Diamond Drum

The diamond shaped drum creates a high water pressure, removing dirt from the laundry effectively. The diamond drum minimizes fabric damage extending the lifetime of the fabric. The glittering inner tub is both beautiful and powerful in the wash effect it creates.

4. Fuzzy Control

Fuzzy control operates with best washing program by sensing the washload like artificial intelligence.

5. Double Storm Pulsator- Less Tangle, Better Washing Performance

Tangle Free - Multi-dimensional water currents help clothes stay tangle free.

Water current technology designed specifically to enhance washing performance. The power of tornado-like multi-dimensional water currents guarantee excellent washing performance.



6. Magic Filter

This unique magic Filter ensures that all the lint inside the tub is captured for top quality filtering results to deliver consistently effective cleaning results.

7. Child-Lock Function











This is a device to protect children from being accidentally hurt while playing with the washer. (For more information, see page11, page14.)

safety information

Throughout this manual, you'll see Warning  and Caution  notes. These warnings, cautions, and the important safety instructions that follow do not cover all possible conditions and situations that may occur. It's your responsibility to use common sense, caution, and care when installing, maintaining, and operating your washer. Samsung is not liable for damages resulting from improper use.

IMPORTANT SAFETY SYMBOLS AND PRECAUTIONS

What the icons and signs in this user manual means:

 WARNING	Hazards or unsafe practices that may result in severe personal injury or death .
 CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage .
 CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your washer, follow these basic safety precautions:
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicitly.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.

These warning signs are here to prevent injury to you and others.

Please follow them explicitly.

After reading this section, keep it in a safe place for future reference.

-  Read all instructions before using the appliance.

As with all any equipment using electricity and moving parts, potential hazards exist. To safely operate this appliance, become familiar with its operation and exercise care when using it.

Install and store your washer inside, away from exposure to weather.

Install and level your washer on a floor that can support its weight.

-  Your washer must be properly grounded. Never plug it into an ungrounded outlet.

Position the washer so that a wall plug is accessible after the installation is completed.

safety information



To reduce the risk of fire or explosion:

- Do not wash items that have been washed, soaked, or treated with gasoline, dry cleaning solvents, or other flammable or explosive substances. They give off vapors that could ignite or explode. Rinse by hand any material that has been exposed to cleaning solvent or other flammable liquids or solids before putting in your washer. Be sure that all traces of such liquids, solids, and fumes have been removed. Dangerous substances include acetone, denatured alcohol, gasoline, kerosene, certain liquid house cleaners and spot removers, turpentine, waxes, and wax removers.
- Do not put gasoline, dry cleaning solvents, or other flammable or explosive substances into the washer.
- Under certain conditions, hydrogen gas may be produced in a hot water system – such as your hot water heater - that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If your hot water system has not been used for two weeks or more, turn on all hot water faucets in your home, and let the water flow for several minutes before using your washer. This will release any hydrogen gas build-up. Since hydrogen gas is flammable, do not smoke or light an open flame during this time.

Ventilate the room immediately without touching the power plug if there is a gas leak.



Unplug the power cord before servicing your washer.



Do not reach into the appliance when the tub is moving.



Do not reach under the appliance with your hands or with an object as you may be injured by the spinning parts beneath the washer.



Do not let children play on or in your washer. Children may be seriously injured if trapped inside.



Do not let children attempt to look into the washer as falling into the washer is extremely dangerous and may be fatal.



This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.



Do not repair, replace, or service any part of your washer yourself unless you fully understand the recommended user-repair instructions and have the skills to carry them out. Work done by an unauthorized person may void your warranty.

Store laundry detergents and other laundry supplies in a cool, dry place out of children's reach.

Disconnect the hoses and turn off the water when not using the washer.

If the power cord is damaged, it must be replaced by the manufacturer, a service agent or similarly qualified person in order to avoid a hazard.

Do not forcefully bend the power cable or place any heavy objects on the cable.

Do not touch the power cord with wet hands.

Do not overload the power outlet with too many appliances.

Do not install the washer nearby electrical implements and do not place any candles or cigarettes on the washer.

Do not go near the washer if it is flooded or under water, as there is a risk of electric shock. Unplug the washer and drain the water completely.



Do not combine chlorine bleach, ammonia, or acids (such as vinegar or rust remover) in the same wash. The fumes that can form when any of these items are combined are hazardous.

Do not machine wash fiberglass materials. Small particles can stick to fabrics washed in subsequent loads and cause skin irritation.

If this appliance is supplied from a cord extension set or electrical portable outlet device, the cord extension set or electrical portable outlet device must be positioned so that it is not subject to splashing or ingress of moisture.



Before disposing of your washer, remove the lid so that children or small animals cannot get trapped inside.

Connect the washer to the main water supply using a new set of hoses. Do not reuse an old set of hoses.

Water inlet hoses deteriorate over time. Check the hoses periodically for bulges, kinks, cuts, wear, and leaks, and replace them as needed and at least every five years.

Before each wash, empty the pockets of your laundry. Small, irregularly shaped hard objects, such as coins, knives, pins, and paperclips could damage your washer. Do not wash clothing with large buckles, buttons, or other heavy metal objects.

If the washer does not stop within 15 seconds after you open the lid, call a service agent immediately.

Connect the grounding wire to the shell plate, and bury it under at least 10 in (25 cm) of earth: Alternatively, connect the ground wire to the appropriate pin on a properly grounded power receptacle. Never connect the wire to a telephone line, lightning rod, or gas pipe.

For washers with ventilation openings in the base, that a carpet must not obstruct the openings.

contents

SETTING UP YOUR WASHER

7

- 7 Description of part
- 8 Checking before washing and caring for garments
- 10 How to wash automatically depends on the laundry
- 11 Control Panel
 - 12 Fuzzy program
 - 12 Quick program
 - 12 Super Clean program
 - 12 Water Saving program
 - 13 Keeping the tub clean
 - 13 Wool program
 - 13 Blanket program
 - 13 Delicate program
 - 14 Delay Start
 - 14 Memory
 - 14 Child Lock

MANUAL FUNCTIONS

15

- 15 Manual functions

INSTALLATION & MAINTENANCE

16

- 16 Environment
- 16 Levelling
- 17 Connecting the water supply hose
- 18 How to connect the drain hose
 - 18 In case of pump-drained washer
 - 18 Cautions when inserting the drain hose(in case of general washer)
- 19 Assembling the vermin protection panel
- 19 How to put the detergent in
- 19 How to add the fabric softener
- 19 Water supply connector filter
- 20 Cleaning the filter
- 20 Clean the pump filter

TROUBLESHOOTING

21

- 21 Troubleshooting

WASHING MACHINE WON'T WORK?

22

- 22 Washing machine won't work?

SPECIFICATION

23

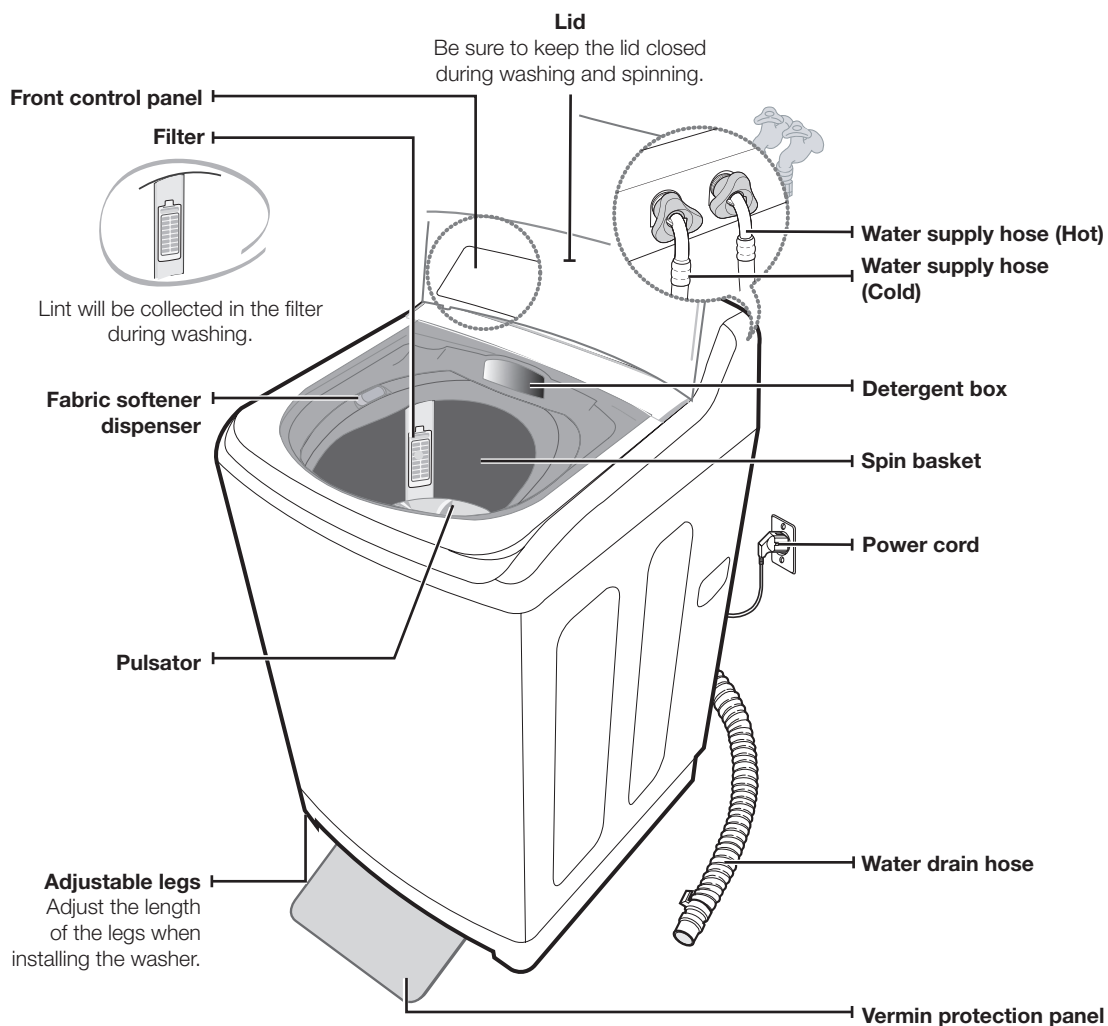
- 23 Specification

setting up your washer

DESCRIPTION OF PART

The User's Manual is for common use.

Make use of the User's Manual depending upon your washing machine model.



setting up your washer

CHECKING BEFORE WASHING AND CARING FOR GARMENTS

Must follow the checkpoints in order to avoid machine problems or damages on garments.

- If the below problems are caused by customer's faults, separate service fee will be charged.

Checkpoints Before Starting Washing

Check if the clothes are bleaching or not.

- Add liquid detergent to a white towel and the garment where you can't notice well. Then, rub together strongly. Check if the color transferred to the towel.
- Be careful for scarves and imported clothes since they are easily discoloring.
- Check for stains or partial dirt.
- If stains are found, use the towel wet with detergents to rub on in a single direction.
- Before washing, the sleeves, collar, dress hem and pockets are pre-treated by brushing with detergents.

The wrinkle-processed clothes made of wool are specially treated by fixing them with threads before washing. The threads shall be removed after the clothes are dried.

Not washable laundry

Clothes those are easily transformable even by soaking in water.

- Even by soaking in water, neckties, brassieres, jackets, suits and coats can be easily transformed like shrinking and discoloring on the garment surfaces because they are mostly made of rayon, polynosic, cuff and their blend fabrics.
- The wrinkle-processed, embossed, or resin processed products are easy to transform even by soaking in water.
- Easily discoloring products made of cotton and wool, wrinkled silk, leather products, leather accessory, leather ornamented clothes and its accessory.
- Don't wash those clothes without handling guideline or material indication tag.

About Detergent

- When detergents are not dissolving well, use warm water (about 40°C) to dissolve the detergent.



CAUTION

- Use an appropriate amount.
- Even if excess amount of detergent is used, there is not much difference in washing result. It may cause damages to the garments because rinsing is not enough.
- The bleaching agent may cause damages to garments since it is strong alkali.
- Do sufficient rinsing because the powder detergent is easily remained on the garments causing bad odors.
- If too much detergent is used or cold water is used, it doesn't dissolve completely and remain on the garments, hose or spin basket, causing contamination on clothes.
- In case of reserved washing, detergents must be put in the detergent box. If the powder detergents are spread on laundry directly, it may cause discoloration.

CARING FOR CLOTHES BEFORE WASHING

Take out personal belongings from pockets.

- Caution, Check the pockets! Hairpins and coins cause damages to clothes and washing machine. They make noise and problems to the machine. Must check the pocket.



If pants zippers are open while washing, the spin basket may be damaged. The zipper should be closed and fixed with a string before washing.

- Metal on the clothing may cause damage to the clothes and the tub.
- Turn clothing with buttons and embroidered clothes inside out the before washing them.
- Clothing with long strings may become entangled with other clothes, and may cause damage to the clothing. Be sure to fix the strings before washing.



Waterproof clothes (Ski Wear, Diaper Covers, Footboards) are not allowed for washing.

- This may cause the laundry to be ejected or cause the washing machine to vibrate abnormally, which may result in personal injury or damage the washing machine, the floor or the clothing. (Diapers, waterproof clothing, raincoats, umbrella covers, skiwear, car cover sheets, and sleeping bags, etc.).
- When the tub rotates, water may become trapped in the waterproof clothing or fabric and can collect in a corner, causing abnormal vibrations. In addition, the laundry rises and may be ejected and cause personal injury.

Shake the dirt or soils from clothes.

- Soil and sands may rub delicate garments to cause damages and the washing result may be unsatisfactory.

Do pre-washing for white socks, sleeves, and collars before the main washing.

- For stains and dirt on collars, sleeves, hems, and pockets, apply some detergent to them and apply it lightly with a brush before washing.
- Use powdered or liquid detergent. Do not use soap as the tub may become dirty from the dirt on it.

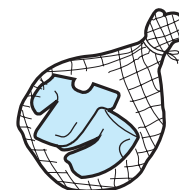
Turn inside out for those nappy clothes before washing.

- If clothes have too much foreign matter, separate them for washing. Other clothes may pick up those dirty matters (dirt, thread).
- Wash black colored clothes and cotton towels separately. If they are washed together, towels may pick up dirty matters. Check before washing.



Cashmilon and those garments having big volume and lightweight (eg. Lase-decorated clothes, lingerie, nylon stocking, synthetic fabrics etc.) may rise and cause damages to the clothes and problems to the machine. Use the laundry net or wash them separately.

- Must put those long stringed clothes, lase-worked clothes, bed cover sheet, wool clothes into a laundry net before washing.
- Put wool clothes in the laundry net.
- Use only those commercial laundry net for washing.



Curtains, floating garments or blue jeans shall be pressed not to float on the water.

- If they are floated on the water, press Start/Pause button to stop and press them to soak in the water. If the washing goes on with clothes floating on the water, it may cause damage to the clothes and the washing machine as well as unsatisfactory washing result.

setting up your washer

HOW TO WASH AUTOMATICALLY DEPENDS ON THE LAUNDRY

Before starting washing, check the following;

- Connect the water supply hose to the water tap. Leave a tap open. Plug the power cord in. Make sure to lay down the drain hose.

Washing for the first time

Before washing clothes for the first time, you must run a complete cycle without clothes.

To do this:

1. Press the **Power** button.
2. Open the detergent drawer and insert a little detergent.
3. Turn on the water supply to the washing machine.
4. Press the **Start/Pause** button.
This will remove any water from the manufacturer's test run remaining in the machine.

Special notes!

Clothes loading order

- When loading the clothes into this machine ensure the following loading order is used for maximum washing effectiveness. T shirts, bath towels, table cloths, business shirts, bed sheets, pillow cases, under shorts, wash cloths then finally handkerchiefs.


Automatic Sensing Function

- For Fuzzy,Quick,Super clean, Water saving program the amount of laundry is automatically sensed and then appropriate water level, washing time, rinsing cycle, and spinning time are automatically selected for automatic washing.
- After the power is on, a program is selected and **Start/Pause** button is pressed. Then, the washing tub starts spinning without water. This action senses how much laundry is in the washing basket, not a machine problem. After this sensing process, water is then supplied automatically.

Adding Detergent and Softener

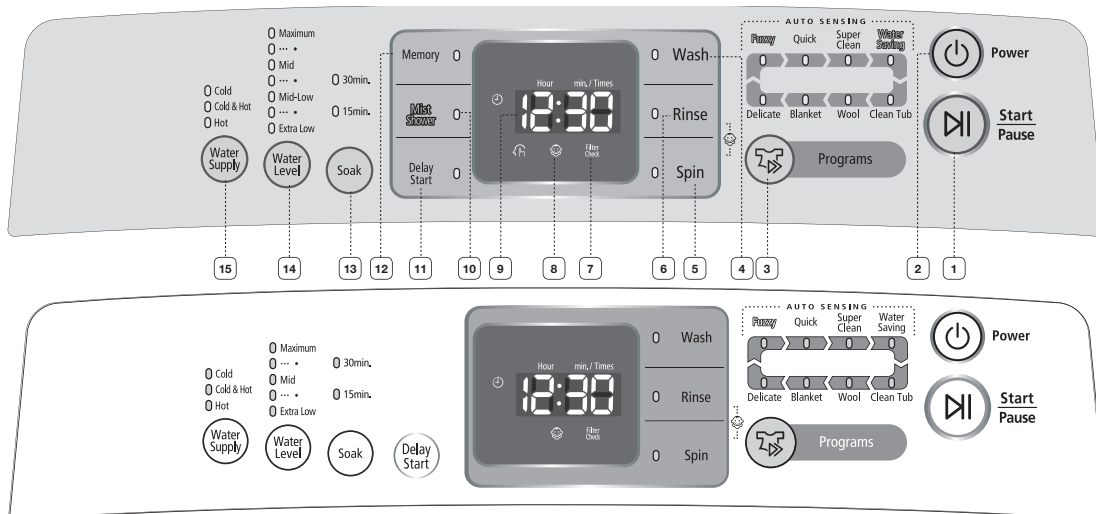
- It senses the amount of laundry and indicates the water level. Then, it starts water supply right away.
- During the water supply, it is possible to open the detergent box and add detergent. However, it is better to press **Start/Pause** button to stop water supply and add detergent. Close the lid and press **Start/Pause** button again. This way is much more convenient. (However, during the water saving course, you cannot open the lid.)
- If the softener is inserted in the softener dispenser, it automatically adds in at the last rinsing cycle.

Put the laundry into the washer and add detergent

- Be careful not to overload. Use the right detergent for the fabrics you are washing.
-  • If the lid is open while running, the washing machine is stopped automatically for safety. (Except, water supply continues while the lid is open.)
- When hot water is selected, both cold and hot water are supplied for the first 20 seconds in order to protect the clothes.
- Possible to control the washing time, rinsing cycle, and spinning time at every program during the washing.

CONTROL PANEL

For more details, see control panel of your washing machine.



1 START/PAUSE BUTTON	Press to pause and restart programs. To change the washing procedure during an operation, press this button to stop the operation, and press it again to restart the washer after changing the washing procedure.
2 POWER BUTTON	Press this button once to turn the power on. Press it again to turn the power off.
3 PROGRAM SELECTION BUTTON	Press this button repeatedly to cycle through the washing programs: [Fuzzy → Quick → Super Clean → Water Saving → Clean Tub → Wool → Blanket → Delicate]
4 WASH BUTTON	Press this button to only perform a wash cycle or to adjust the wash time.
5 SPIN BUTTON	Press this button to only perform a spin cycle or to adjust the spin time. When only a spin cycle is selected, the spin time will be different from the total remaining time. This is because the total remaining time includes the actual spin time, the time for the water to drain and the washer to stop.
6 RINSE BUTTON	Press this button to perform only the rinse cycle or to adjust the amount of rinse cycles.
7 FILTER CHECK	When the wash is finished, the warning lamp lights up on the filter check. When the door is opened, it turns off. (This is not a fault.) When the Magic filter is clogged, foreign materials may start sticking to the laundry. To ensure a clean wash, please remove foreign materials from the filter after every wash.
8 CHILD-LOCK FUNCTION	<p>This is a device to protect children from being accidentally hurt while playing with the washer.</p> <ul style="list-style-type: none"> How to start the Child-Lock function: <ul style="list-style-type: none"> Press the “Power” button to go to an initial washing mode. By pressing “Start/Pause” button, you start washing and in case Child Lock function is needed during the laundry Press both the “Rinse” and “Spin” buttons at the same times.(for 3 seconds) (Note: You cannot perform the function without the “Power” button on. If the Child Lock function is activated, the Child Lock icon blinks.) To release the function of Child-Lock: In case the “Child-Lock” is programmed, press both the “Rinse” and “Spin” buttons at the same time.
9 REMAINING TIME, DELAY START TIME, ERROR DISPLAY	The display shows the remaining wash time, the reserved delayed start time and error messages.
10 MIST SHOWER BUTTON(OPTION)	Press this button once to operate. The mist dissolves laundry detergents more effectively leaving behind less residue.
11 DELAY START BUTTON	Press this button to finish the wash at a specified time. Turn your washer off to cancel a previously delayed start time. You can set the delayed start time from between 3 to 18 hours.

setting up your washer

12 MEMORY BUTTON (OPTION)	Press this button once to operate. Manually select the functions to use. Your choices are automatically saved when pressing the Start/Pause button. To use a memorized course, press the Memory button and then press the Start/Pause button. - The memorized functions will be displayed on the panel. Insert some detergent and rinse detergent in proportion to the water level and close the cover. This function allows frequently used functions to be memorized so that they can be easily used when needed.
13 SOAK BUTTON	Press this button to perform a soak wash. This function cannot be selected during a Delicate, a wool course. Soaking is automatically applied during a Clean tub course. You can set the soak time from between 15 to 30 minutes.
14 WATER LEVEL BUTTON(OPTION)	The water level is automatically adjusted. However, you can select the water level manually by repeatedly pressing this button.
15 WATER SUPPLY BUTTON	Press this button repeatedly to cycle through the water options: Cold → Cold & Hot → Hot → Cold

Fuzzy program

Use this program to automatically select the optimal washing program.

1. Press the **Power** button to turn the washer "On".
2. Press the **Start/Pause** button. The water level is selected automatically.
3. The wash, rinse, and spin cycles follow.
4. To pause a program, press the **Start/Pause** button again. You can change the program when it is paused.
5. Close the lid.

Quick program

The Quick program is good for light or slightly stained laundry.

1. Press the **Power** button to turn the washer "On".
2. Press the **Program** select button.
3. Press the **Start/Pause** button. The water level is selected automatically.
4. The wash, rinse, and spin cycles follow.
5. To pause a program, press the **Start/Pause** button again. You can change the program when it is paused.
6. Close the lid.

Super Clean program

Use this program to achieve the cleanest wash.

This program provides you with the optimum in washing performance through the 5-step super clean system.

1. Press the **Power** button to turn the washer "On".
2. Press the **Program** select button.
3. Press the **Start/Pause** button.



The water level is selected between Maximum and Mid or at the mid-level between Mid and Mid-low.

4. Close the lid.

Water Saving program

This program reduces water consumption.

1. Press the **Power** button to "On".
2. Press the **Course** select button three times.
3. Press the **Start/Pause** button.

Water level is selected automatically. Washing, rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.

4. Close the lid.


Keeping the tub clean

When using the machine under humid conditions for an extended time, various bacteria from the air may stick to the tub and form black dirt (fungi), causing damage to the human body.

To keep the tub clean and hygienic at all times, it is recommended reading “**Clean Tub program**” above and using only dedicated or recommended detergents to clean the tub regularly at least once every one to three months.


Wool program

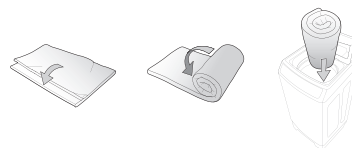
Use this program to wash delicate clothing items such as washable sweaters, cardigans, and other wool items.

1. Press the **Power** button to turn the washer “On”.
 2. Press the **Program** select button.
 3. Press the **Start/Pause** button.
 4. The wash, rinse, and spin cycles follow.
 5. To pause a program, press the **Start/Pause** button again. You can change the program when it is paused.
 6. Close the lid.
-  • You can select only Cold water.
 - The last spin cycle is a light cycle to prevent wrinkles.
 - Use only detergent indicated by the laundry.
 - Refer to the Care Label on the clothing for the appropriate wash information.
 - Make sure buttons are fastened and that clothing is turned inside out.

Blanket program


Use this program for big volume laundry items such as blankets and bed cover sheets.

1. Press the **Power** button to turn the washer “On”.
 2. Press the **Program** select button.
 3. Press the **Start/Pasue** button.
 4. The wash, rinse, and spin cycles follow.
 5. To pause a program, press the **Start/Pause** button again. You can change the program when it is paused.
 6. Close the lid.
-  • Do not wash electric blankets and carpets.
 - Fold big volume laundry items (blankets and bed cover sheets) in the following way before adding them into the spin basket.
 - Purchase a laundry net for light and big volume laundry items (e.g. cashmere, blankets) as they may rise to the top of the washer and become damaged.



Delicate program

Washable sweater, cardigan, delicate clothes etc.

1. Press the **Power** button to “On”.
 2. Press the **Course** select button six times
 3. Press the **Start/Pause** button.
Washing, rinsing, and spinning follow. If you want to pause, press the **Start/Pause** button again. You can change the course when paused.
 4. Close the lid.
-  - You can only select cold water.
 - The last spin operates lightly to prevent wrinkles.
 - Use the detergent indicated in the laundry.

setting up your washer

Delay Start

Use this to specify a time for the wash cycle to start, for example, when you need to go out and are unable to monitor the washer.

1. Press the **Power** button to turn the washer "On".
2. Press the **Delay Start** button once.
You may set the delay end time using the **Delay Start** button from between 3 to 18 hours.
3. Press the **Start/Pause** button and add the appropriate amount of detergent into the detergent drawer.
4. Close the lid. The wash will finish by the set time.

Add detergent and softener according to the water level and close the lid.



- Detergent must be added into the detergent drawer.
- If detergent is added onto the laundry directly, some clothes may become discolored because the start has been delayed.
- To cancel a Delay Start, press the **Power** button.

Memory

Use this program to create your very own favorite or frequently used programs and store them in the washer so that you can select them at any time.

1. Press the **Power** button to turn the washer "On".
2. Press the **Memory** button.
3. Select your frequently used functions.
Select Wash, Rinse or Spin according to your requirements.
4. Press the **Start/Pause** button to store them.
5. Add detergent and softener according to the water level and close the lid.



- If you select the Memory button after turning the washer "On", the stored settings are automatically retrieved.
- To change the stored settings, select the Memory button, reconfigure the settings and then press the Start/Pause button. Then, the changes are stored.

Child Lock

This function is for protecting children, the elderly and the frail.

1. Press the Power button.
2. To activate the Child Lock function, press and hold both the Rinse and Spin buttons down simultaneously for 3 seconds. (If the Child Lock function is activated, the Child Lock icon blinks.)
3. Operations after activating the Child Lock function.
 - Even if the Child Lock function is activated, every button works until the door opens.
 - When you open the door during the Child Lock is being activated, the alarm sounds and an error message appears. In 30 seconds, draining begins automatically. However, if you close the door within 30 seconds, water will not be drained. (Displayed error message "CL", "dE").
 - To add laundry after activating the Child Lock function, you must deactivate the Child Lock function.
4. To deactivate the Child Lock function, press and hold both the Rinse and Spin buttons simultaneously for 3 seconds again. (If the Child Lock function is deactivated, the Child Lock icon is turned off.)
5. To clear "CL" display, after draining is complete, close the door of the washing turn the power off and then on.



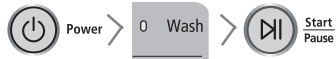
- This function is for preventing injury and malfunction of the product because of inappropriate operations or actions by children, the elderly or the frail.
- If the door opens when the Child Lock function is activated, the water is drained by force to prevent children from drowning.
- To add laundry after activating the Child Lock function, you must deactivate the Child Lock.
- Even if the power is turned off and then on when the Child Lock is activated, the Child Lock remains activated.
- Once Child Lock is activated, even when the power is turned off, if the door is opened, water is automatically drained in 30 seconds.
- The Child Lock function cannot be deactivated when CL is displayed. (However, the Child Lock function can be deactivated when the dE error is displayed.)

manual functions

Possible to select the function for each program.

(Example) For a simple washing as the little dirt program :

Power → Select the little dirt program → Wash → Start/Pause



WASH ONLY

Press the **Power** button.

Press the **Wash** button.

Press the **Start/Pause** button.

When the **Wash** button is pressed during washing, the wash time can be changed to between 6 and 30 minutes in duration.



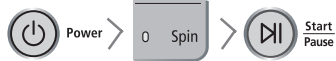
RINSE ONLY

Press the **Rinse** button.

Press the **Start/Pause** button.

Rinsing goes on for 2 times.

When the **Rinse** button is pressed during rinsing, the rinse times can be changed to between 2 to 5 times in duration.

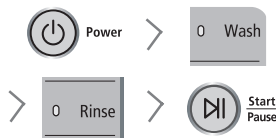


SPIN ONLY

Press the **Spin** button.

Press the **Start/Pause** button.

When the **Spin** button is pressed during spinning, the spin time can be changed to from 1 to 9 minutes.



WASH AND RINSE

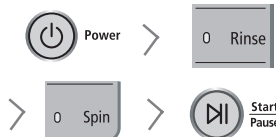
Press the **Wash** and **Rinse** button.

Press the **Start/Pause** button once.

Detects the amount of laundry, and determines wash and rinse time period automatically.

When the **Wash** and **Rinse** button is pressed during working.

Wash time period is determined between 6 and 30 minutes, and rinse time is determined between 1 and 5 times.



RINSE AND SPIN

Press the **Rinse** and **Spin** button.

Press the **Start/Pause** button once.

Rinsing and spin drying follow.

When the **Rinse** and **Spin** button is pressed during working. The number of rinse times is determined between 2 and 5, and spin time period for drying is determined between 1 and 9 minutes.



WASH, RINSE AND SPIN

Press the **Wash**, **Rinse** and **Spin** button.

Press the **Start/Pause** button once.

Wash, **Rinse** and **Spin** is performed.

installation & maintenance

The User's Manual is for common use.

Make use of the User's Manual depending upon your washing machine model.

ENVIRONMENT

Leave some space

Maintain at least 10cm between the washer and the wall.

Place the washer on a sturdy flat surface.

If the washer is placed on an uneven or weak surface, noise or vibration occurs. (Allowable is 1°)

Adjust the legs for even placement.

Never install the washer near water.

Do not place the washer in steamy rooms or where the washer is directly exposed to rain. Moisture may destroy the electrical insulation causing an electrical shock hazard.

Avoid direct sunlight or heaters.

As plastic and electrical components are affected by direct heat, never place the washer near furnaces, boilers, etc. Do not place under direct sunlight.

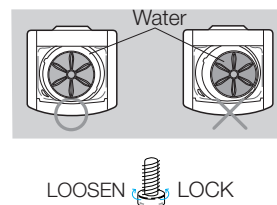
All packing materials should be disposed of in an environmentally suitable manner.

LEVELLING

- If the washer is not leveled with the ground, it makes the machine tremble more or be out of order. So, make sure that the washer is leveled properly.

SEE IF THE MACHINE IS PLACED LEVEL BY CHECKING THE POSITION OF THE WASHING TUB.

- Open the lid of the machine, pour water into the tub up to the level just below the pulsator, and adjust the legs so that the pulsator is positioned at the center of the water as shown in the figure.
- Place the machine more than 10cm away from the wall.
- Adjust the legs on feet for levelling.

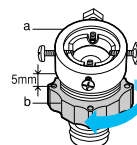


CONNECTING THE WATER SUPPLY HOSE

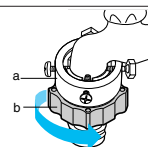
1. Remove the adaptor from the water supply hose.



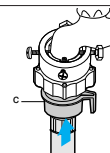
2. First, using a "+" type screw driver, loosen the four screws on the adaptor. Next, take the adaptor and turn part(b) following the arrow for gap about 5 mm between them.



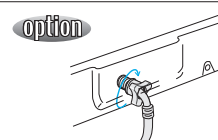
3. Connect adaptor to the water tap by tightening the screws firmly. Then, turn part(b) following the arrow and put (a) and (b) together.



4. Connect the water supply hose to the adaptor. Pull down the part (c) of the water supply hose. When the part (c) is released, the hose is automatically connected to the adaptor making a 'click' sound.



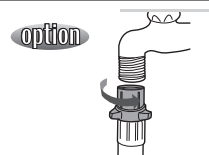
5. Connect the other end of the water supply hose to the inlet water valve at the back of the washer. Screw the hose clockwise all the way in.




- 5-1. Connect the other end of the water supply hose to the inlet water valve at the top of the washer. Screw the hose clockwise all the way in.



- If the water tap is a screw type, assemble a water supply hose that fits to the tap as shown. After completing connection, if water leaks from the hose, then repeat the same steps.



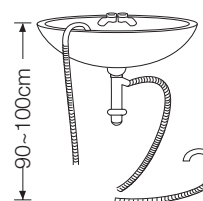
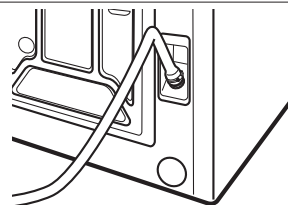
-  After completing connection, if water leaks from the hose, then repeat the same steps. Use the most conventional type of faucet for water supply. In case the faucet is square or too big, remove the spacing ring before inserting the faucet into the adaptor.

installation & maintenance

HOW TO CONNECT THE DRAIN HOSE

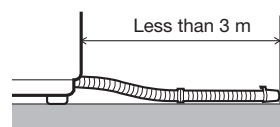
In case of pump-drained washer

- Attach the drain hose to the rear of the washer. Install the clamp on the drain hose and tighten to prevent leakage of water.
- Install the drain hose in the position of about 90~100cm above the ground.

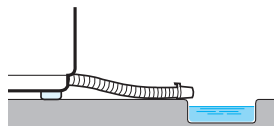


CAUTIONS WHEN INSERTING THE DRAIN HOSE(IN CASE OF GENERAL WASHER)

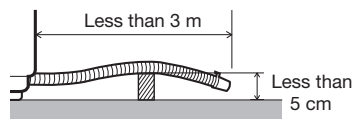
1. Don't exceed more than 3m when the drain hose is used by connecting with other hoses.



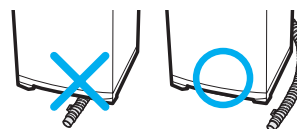
2. Be careful to drain water out at the end of the drain hose.



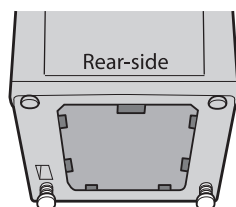
3. The doorsill shouldn't be more than 5cm.



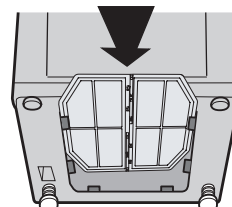
4. Don't install the drain hose underneath the wash machine.



ASSEMBLING THE VERMIN PROTECTION PANEL option



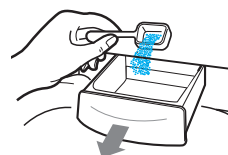
1. It is easier engaging the shutter when the set is lifted up a little, as shown in the figure below.



2. Insert the shutter completely through the engagement hole from the back.

HOW TO PUT THE DETERGENT IN

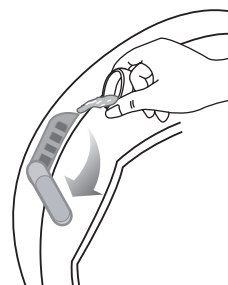
1. Open the detergent box by pulling in the direction of the arrow as shown in the figure and then put the powder detergent in the detergent box.
2. Put in one-time amount of detergent evenly so the detergent may not brim over the box.



HOW TO ADD THE FABRIC SOFTENER

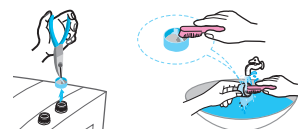
Slide and open the cover in the direction of the arrow, insert the rinse detergent, and slide and close it in the reverse direction.

- When a proper amount (one time does) of fabric softener is stored in the softener inlet, it is automatically put in at the last rinsing cycle.
- Do not use detergent, bleach or starch into the Softener Inlet.
- Using too much softener may produce unsatisfactory results.
- Do not open the lid during the Spin Dry cycle. If added too early, its effectiveness will decrease.
- Do not leave the softener into the Softener Dispenser for a long time. Because softner became stiff.



WATER SUPPLY CONNECTOR FILTER

1. Pull out the filter and wash well.



2. Pull in the filter and connect the hose to the inlet water valve tightly.



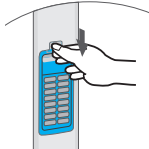
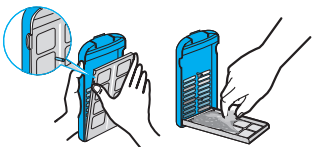


3. Check if there is a leakage.
Note to tighten up the connector.



installation & maintenance

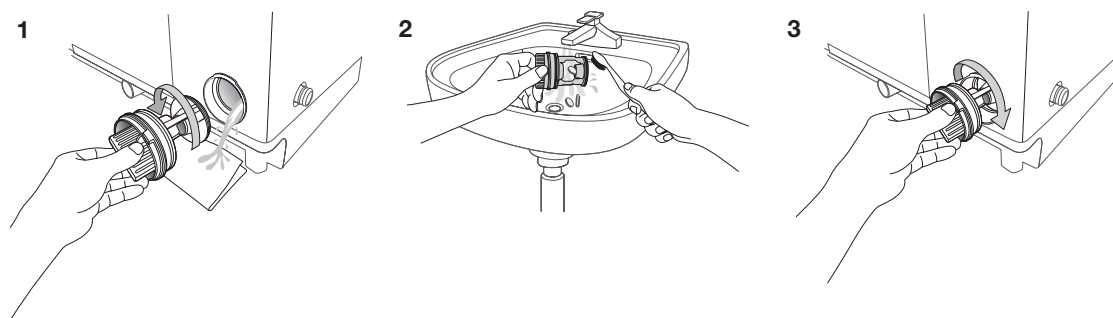
CLEANING THE FILTER

Clean the filter net often to keep the washer clean.


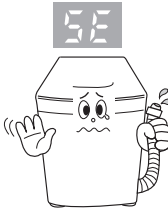

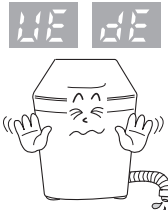


 <p>1. Push the upper part of the Magic filter and pull in.</p>	 <p>2. Open the cover as shown in the figure.</p>
 <p>3. Clean the Magic filter.</p>	 <p>4. Close the cover and insert the lower part of the filter in the basket first and then push the filter with “click” sound.</p>

CLEAN THE PUMP FILTER

1. Place a rag or towel under the wash filter to avoid wetting the floor, and rotate the filter counterclockwise and pull it out.
2. Remove any dirt from the filter.
3. Return the filter to its place by rotating the filter clockwise until it locks into position.



troubleshooting

PROBLEM	CHECK	
Washing machine won't work	<ul style="list-style-type: none"> - Is the water tap opened? - Is the washer plugged in? - Is the power cut off? - Is there enough water? 	
Water dose not drain	<ul style="list-style-type: none"> - Is the drain hose down?(No pump) - Is the drain hose frozen? - Is the drain hose clogged? - If the water dose not drain in 15 minutes, a buzzer will sound, and the remaining time indicator will show "5E". 	
Water is not supplied	<ul style="list-style-type: none"> - Is the water tap opened? - Is the water cut off? - Is the water supply hose or hose connection clogged? - Is the water tap frozen? - If the water supply is not finished in 1 hour or there is no change in the water level 4 minutes after the water supply has started, the buzzer rings and "4E" is displayed on the remaining time indicator. 	
Spinning does not work	<ul style="list-style-type: none"> - Is the laundry spread out evenly in the washer? - In the washer set on a sturdy flat surface? 	
Water is overflowed	<ul style="list-style-type: none"> - Restart after spinning. - If the error sign still indicates, call agency. 	
This indicates that a Child Lock error occurred	<ul style="list-style-type: none"> - The error message blinks at a 1 second interval and the water is drained with an alarm sound. Draining cannot be stopped. (Displayed message: "CL" or "dE") - This function is to prevent children from drowning when falling into the wash tub. When draining is complete and you turn the power off and then on, the washing machine will operate normally. - To clear "CL" display, after draining is complete, close the door of the washing machine, turn the power off and then on. 	

washing machine won't work?

PROBLEM	CHECK & SOLUTION
The power is cut off.	Is the electric voltage normal?
	Is the washer plugged in? Plug in the electric cord. ☞ Water does not drain.
	Is the drain hose down? Put the drain hose down.
	Is the drain hose folded? Unfold the drain hose.
	Is the drain hose outlet clogged? Remove the waste cleanly.
Washing machine won't work.	Is the washer lid open? ☞ Close the lid.
	Is the Pause button on? ☞ Press the Start/Pause button one more time and check if the washer starts.
	Is enough water filled to the water level? ☞ If the water pressure is low, it takes a long time to start washing.
	Is the faucet closed? ☞ Open the faucet to supply water.
If the drain hose and spin basket are frozen, do as follows.	<ul style="list-style-type: none"> • Add hot water to the frozen water tap and remove the drain hose. Soak into hot water. • Pour hot water into the spin basket for about 10 minutes. • Put a hot water towel on the drain hose connector. • If the drain hose defrosts, connect again and check for proper water draining.
The water drains out immediately.	<ul style="list-style-type: none"> • The drain is clogged with coins or pins. The drain hose is hung over the drain hose hook. Half fill the spin basket with water and try for spinning again.
The water leaks at the water supply hose connector.	If the faucet connecting part is loose, water may leak. ☞ Repeat the assembling steps again. (Refer to "Connecting the water supply hose")
	Check if the rubber packing of water supply hose is in the right position. ☞ Screw tightly again.
	Is the water supply hose folded? ☞ Unfold the hose.
	If the water supply is too strong, water may leak. ☞ Close the faucet a little.
	Is water leaking from the faucet itself? ☞ Fix the faucet. Water is not supplied.
	Did you press the Start/Pause button after selecting the water supply? ☞ If the Start/Pause button is not pressed, water is not supplied. Press the Start/Pause button.
	Is the faucet closed? ☞ Turn on the faucet.

PROBLEM	CHECK
The water leaks at the water supply hose connector.	Is the filter net at the water supply hose connector clogged with dirty matters? ➡ Clean the filter net by brushing with a toothbrush.
	Is the water supply cut off? ➡ If the water supply is suspended, turn off the faucet and power off.
Spinning makes loud noises and vibrations.	Check if the laundry is spread evenly in the washer. ➡ Spread out the laundry evenly and start again.
	Check if the washing machine levels on a sturdy flat floor. ➡ Set the machine at level.
	Is the handle for leveling legs loose? ➡ Adjust the legs on the feet for leveling.
	Is around the washing machine filled with unnecessary stuffs? ➡ Remove those unnecessary things away from the wash machine.

specification

WA12SP / WA11SP

MAX. MASS OF DRY CLOTH IN kg	WA12SP	10.0 kg	STANDARD WATER LEVEL	MAXIMUM	80 l
	WA11SP	9.5 kg			
POWER CONSUMPTION	WASH	470 W		MID	57 l
	SPIN	280 W			
DIMENSIONS(mm)		W601 X D665 X H1058(HIGH BASE) W601 X D665 X H1033(LOW BASE)			
WEIGHT		44 kg		EXTRA LOW	30 l
WATER PRESSURE		0.05~0.78 MPa (0.5 ~ 8.0 kg · f/cm²)	WATER USAGE		227 l
WASHING TYPE		Stirring Type	SPIN SPEED		720 rpm



QUESTIONS OR COMMENTS?

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